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For Retailer, Wholesaler and Manufacturer

JULY 11 1959

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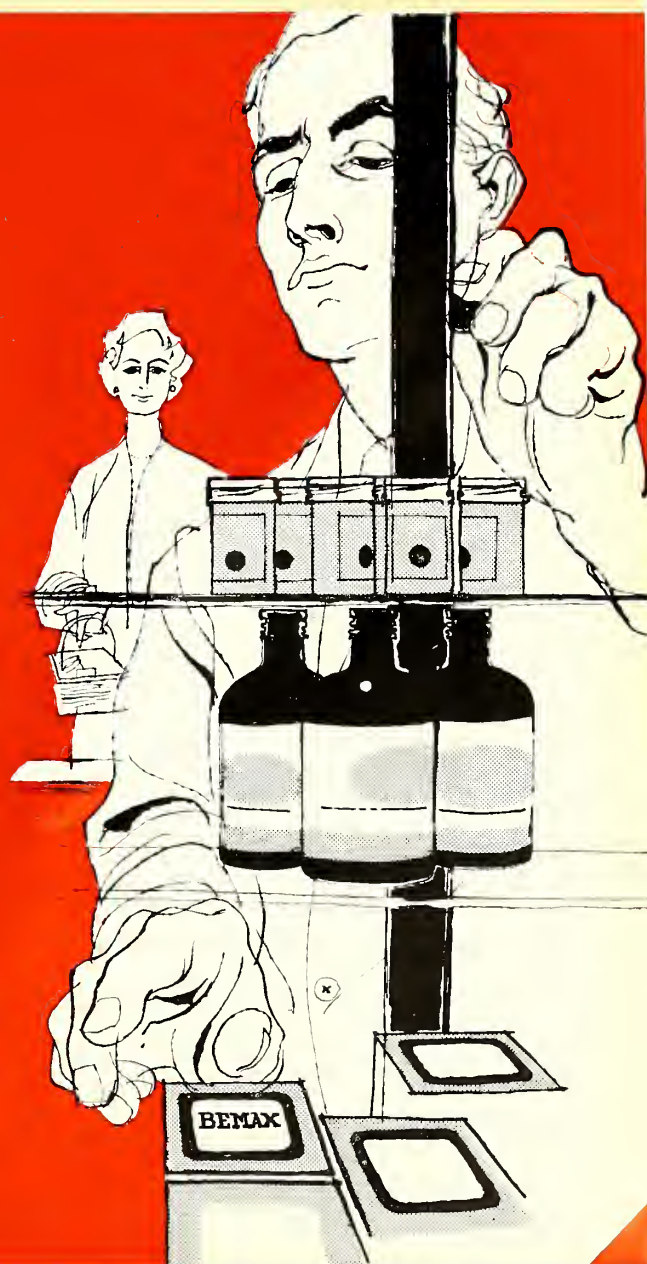
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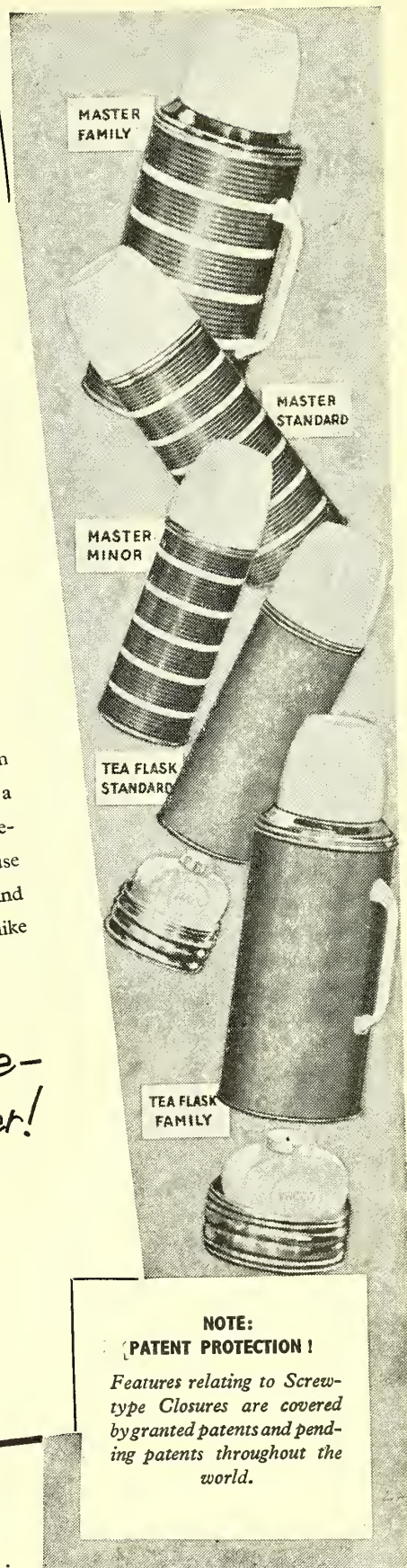
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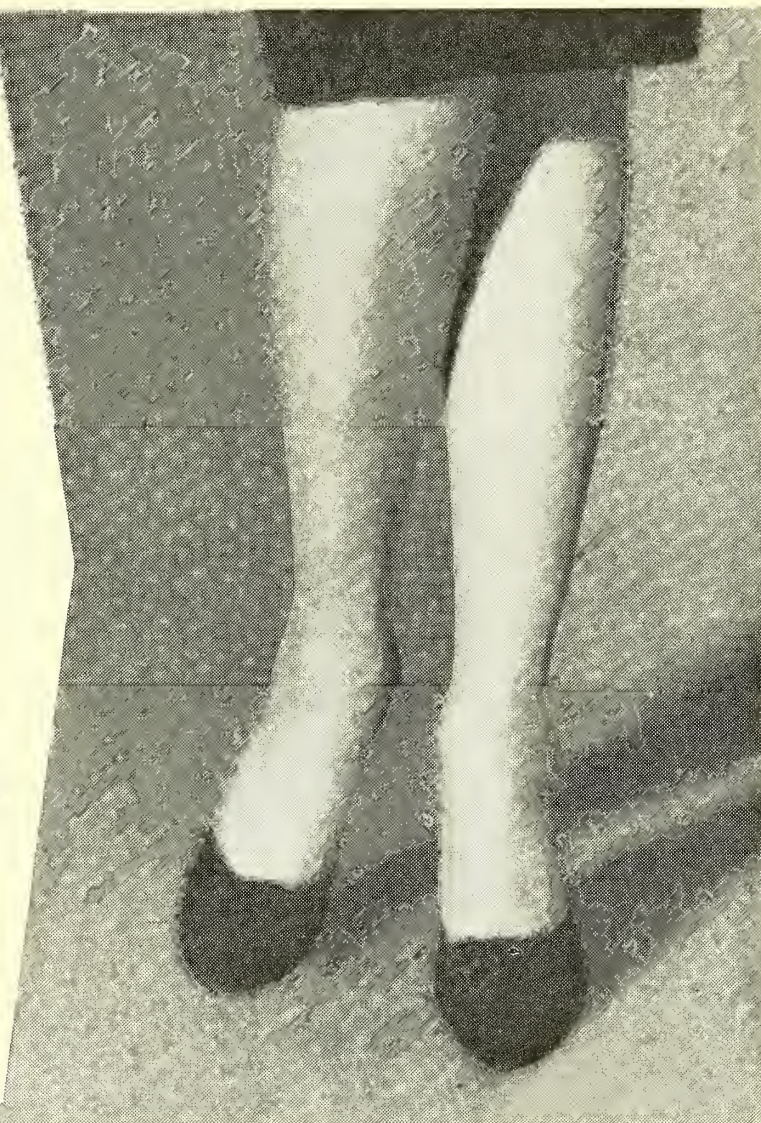
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(PS1032)

The CHEMIST AND DRUGGIST

EMERGENCY ISSUE

Volume 172

JULY 11, 1959

No. 414

Narcotics in 1958.—Drugs controlled under the Dangerous Drugs Act and manufactured in the United Kingdom during 1958 numbered eighteen (cannabis, tinctures, cocaine, codeine, diacetylmorphine, diethylthiambutene, dihydrocodeine, dipipanone, ethylmorphine, hydrocodone, medicinal opium, methadone, morphine, oxycodone, pethidine, phenadoxone, pholcodine, the bacon, the balm). That information is given in the United Kingdom report to the United Nations for 1958 on the working of the international treaties on narcotic drugs. There were 442 known addicts, 349 of them in consequence of therapeutic treatment. Of the addicts 174 used morphine; ninety-nine pethidine; forty-two diacetylmorphine; thirty-five methadone; sixteen phenadoxone and fourteen levorphanol. There was a slight increase as compared with 1957, in the number of seizures of opium (from fourteen to sixteen), and in the quantity involved (from 5.3 kilos to 9.1 kilos). The number and amount of cannabis declined. The only seizure of manufactured drugs in 1958 was of phials of twenty 1-gr. morphine sulphate tablets and twelve 1/20 gr. cocaine hydrochloride tablets found on the floor of a passenger cabin of an Australian aircraft after arrival at London airport. During 1958 persons convicted of offences involving manufactured drugs totalled forty-one of whom thirty-two were convicted of unlawfully procuring or possessing the drugs, most of them being addicts who had obtained drugs by stealing, by forged prescriptions, or by getting supplies from more than one doctor at the same time, the remainder having been convicted of failing to keep drugs in a locked receptacle or to maintain appropriate records.

An Award for Young Chemists.—To encourage young chemists to investigate and develop new analytical techniques, an annual competition for the best paper dealing with some aspect of analytical chemistry has been inaugurated by the Midlands section, Society for Analytical Chemistry. The competition is open to all scientists not engaged in post-graduate studies, and under the age of thirty, working or residing in the area covered by the section. The successful candidate is being presented with a silver trophy (to be retained for one year) and an award of scientific books. Selected papers are being presented about Christmas, the name of the successful candidate being announced at the same time. Closing date for entries is September 30 and the latest date for submission of papers October 21. Entry forms and other particulars may be obtained from Mr. G. W. Cherry, 48 George Frederick Road, Sutton Coldfield, Warwick.

U.S. Ruling on Liver Pills.—Carter's Little Liver Pills may no longer be sold in the United States under that name. The Federal Court of Appeals in San Francisco has upheld a ruling of the Federal Trade Commission that the ingredients of the pills "alone, or in combination with others will have no therapeutic action, effect or influence, corrective or otherwise, on the liver" and that therefore the brand name is "false and misleading." The Commission made the ruling in 1956 and the company has since then been seeking to have it reversed in the courts.

Brewers' Yeast: Import Duty Drawback Application.—The Board of Trade are considering an application for the allowance of drawback of duty in respect of imported debittered dried brewers' yeast when used in the manufacture of exported yeast powder and tablets of pharmaceutical quality for human consumption. Representations should be addressed to the Board of Trade, Tariff Division, Horse Guards Avenue, London, S.W.1. not later than July 15.

Flammable Liquids.—A new edition has appeared "Industrial Solvents and Flammable Liquids" (Fire Protection Association, 31 Gresham Street, London, E.C.2., 3s.). The booklet provides information on the physical properties of about 400 liquids under the headings of flash point, specific gravity, solubility in water, flammability limits, auto ignition temperature, susceptibility to spontaneous heating, vapour density, melting point, boiling point, vapour pressure, & suitable extinguishing agent.

Sterility of Biologicals.—General requirements for manufacturing and control laboratories dealing with biological substances as formulated by a study group at

Geneva operating under the World Health Organisation, and specific requirements for poliomyelitis, yellow fever, cholera, and smallpox vaccines, are being published shortly in the W.H.O. technical report series.

East Londoners' Outing: The summer meeting of the East Metropolitan Branch of the Pharmaceutical Society and the West Ham Association of Pharmacists, traditionally a family affair, was held in a new setting: the Cock Hotel, Epping, on June 18. The hotel was originally a coaching inn, and the approaches to it through Epping Forest were particularly attractive in the summer weather. After a buffet meal the chairman (Mr. W. H. Cloud) introduced the speaker, Mr. F. W. Griffen, M.B.E., B.Sc. (Pharm.), F.P.S.

West German Cosmetics Industry.—The improvement in West Germany's standard of living and the greater chances for women in employment to earn money, have given a new impetus to the West German cosmetics industry, according to the German Institute of the Chemical Industry. Production of cosmetics in the first quarter of 1959 totalled DM 128 millions which was an increase of 8.5 per cent. over the same period of 1958, but the quantity increased by only 2.2 per cent. in that period, the Institute stated. Skin creams showed an increase of 16 per cent. over the comparable period of last year, and toilet water increased by 12 per cent. to DM 19 millions.

The following are the recently elected officers and member of Council of the



PRESENTATION TO FOUNDER PRESIDENT: The pharmacy jars which are being presented to Professor Jean Cheymol (immediate past-president of the Hospital section, International Pharmaceutical Federation) at the section's Congress in Vienna, June 24-29. Professor Cheymol was the founder and first president (1952-59) of the section. His successor is Dr. Franz Linner, Salzburg, Austria. The jar on the left is of nineteenth century origin.

Association of Consulting Scientists: *Chairman*, Dr. J. G. Davis; *Treasurer*, Dr. G. W. Ferguson; *Secretary*, Mr. W. H. Steffens, 15 Hawthorne Road, Bromley, Kent. *Council*, Drs. M. Barent, H. H. Chambers, J. H. Oliver, Messrs. O. W. Roskill, F. G. Sarel Whitfield.

"THE Pharmacist," one of the careers booklets issued by the Central Youth Employment Executive, was recently revised and is available from H.M. Stationery Office (No. 62), price ninepence.

Permission for a Holiday

Mr. Thomas Ross, MPS the only chemist in Lochwinnoch, Renfrewshire, has been given permission to take a two-week holiday. In a letter to the Renfrewshire Health Executive Council Mr. Ross stated that for the past two years he had been trying unsuccessfully to sell his business at Lochwinnoch, and that more recently he had been trying unsuccessfully to find a locum in order that he might have a holiday. Now, because of age and health reasons, he felt a break from business was necessary. The council agreed.

IRISH PHARMACY WEEK

THE executive committee of the Post-graduate Study Group was told at a recent meeting that the Council of the Pharmaceutical Society of Ireland supports the Group's proposal that all pharmaceutical interests should hold meetings, lectures, social and other functions to coincide with the Group's intensive course, October 13-16 (see C. & D., April 25, p. 456). The Society's A.G.M. is being held on October 12 and the October meeting of the Society's Council October 13. It is hoped, therefore, that all pharmaceutical interests will converge then so that there may be ample scope for an interchange of ideas.

The Pharmaceutical Society of Northern Ireland has announced the following passes:—

Final Part II Qualifying: Muriel M. Aicken, Neil Appleton, William T. Cochran, Norman M. Davison, Timothy S. Donnelly, Kevin Durkin, Samuel G. Hayes, M. M. A. Hegarty, Francis Hinds, John S. Johnston, Martha S. Kerr, Sheila K. B. Lobban, John A. McCaul, William A. McCready, William S. Magon, Robert Markwell, Margaret Wellwood, Robert R. Wilson.

Final Part I Qualifying: Neville Albin Berry, John Leo Boyle, Sarah Mary Casey, Jean Cunning, Vincent Patrick Dalzell, John Vincent Greening, William Stanley Johnston, Thomas A. W. Kennedy, Angela Joan Loughran, John Mary McGarrity, Brenden Joseph McGrath, William G. McKinney, Anna Marie McShane, William Joseph Mackle, William Ludwig Moffat, David Anthony O'Boyle, Bernard Mary O'Neill, James O'Neill, Patrick W. I. O'Reilly, William Paterson, James Mervyn Spence, William John Temple, Anna Elizabeth Thompson, William Hamilton Thompson.

With effect from June 1 the Lomulizer may be supplied against all National Health Service prescriptions in Northern Ireland.

The annual general meeting of the Irish Drug Assoc. is being held at Jury's hotel, Dublin, on Monday, July 27. The day for election of members to the committee is the previous Monday, July 20.



RETIREMENT PRESENTATION: Mr. John Bolt (senior representative and assistant sales manager of Optrex, Ltd., in the North of England) receives from Mr. H. M. Seward (managing director of the company) a radio set presented to Mr. Bolt by fellow representatives and colleagues on the sales staff on the occasion of his retirement after twenty-one years' service.

SPORT

Bowls.—The annual bowling match between Ulster Chemists' Association bowlers and Scottish Chemists' Bowling Association was played at Larne Bowling Club on June 24, the scores being: Ulster, S. T. McLroy, 17; S. Magowan, 27; A. Steen, 23; J. Caldwell, 19; (total 86); Scottish, A. K. Patrick, 21; A. McKinley, 14; J. E. Budge, 18; D. Bernard, 20; (total 73). Messrs. S. Magowan and A. K. Patrick won the prizes for the highest score in their respective rinks. The Scottish bowlers were entertained to a trip along the Antrim Coast and paid a visit to the

factory of Optrex, Ltd., Glenarm. Sales manager of Rexall Drug Co., Ltd. (Mr. A. Cameron) presented the cup to Mr. J. Wellwood (captain of the winning team).

ULSTER CHEMISTS' ASSOCIATION BOWLER, annual match with Belmont Bowling Club, Belfast, on June 17. The chemists' team won, 98-62. *U.C.A.* S. Magowan, 31; G. Hamilton, 25; J. Caldwell, 22; W. J. Beattie, 20; Belmont, H. Parkhill, 17; A. Lennox, 21; W. Cowan, 13; W. Chapman, 11.

Golf.—Best scores for many seasons were obtained by members of the London Chemists' Golfing Society at Highgate on June 25, no fewer than three members tying on the 66 mark. The winners were: Butler & Crispe prize (medal): A. H. Newcombe (7), 66; Squibb Centennial trophy (bogey): J. A. Bennett (17), 2 up; Professor Flint cup (medal runner-up): R. L. Taylor (24) 66.

IRISH CHEMISTS' GOLFING SOCIETY, four-day outing at Lahinch, recently. *SUNDAY: I.C.I. prizes:* *First Strokes*, M. L. Cashman (10), 81; *Second Strokes*, J. J. Power (13), 81; *First Bogey*, D. P. McHugh (8), 3 down; *Second Bogey*, J. Burke (12), 4 down; *Best First Nine*, S. J. Savage; *Best Second Nine*, J. Lenmon. *MONDAY: Presidents Trophy*, J. F. Cranitch (13), 72; *Second Strokes*, J. Gilmartin (10), 79; *Third Strokes*, P. Fahy (11), 79; *Best First Nine*, A. Cullinane; *Best Second Nine*, P. Delaney; *First Bogey*, M. G. Murphy (4), 3 down; *Second Bogey*, D. N. Mulvey (7), 4 down; *Morning Foursome*, A. Cullinane and P. Delaney, 2 up.

TUESDAY: Class I, 1, M. Prendergast (6), 3 up; 2, M. G. Murphy (4), 1 up; *Class II*, 1, J. T. Foley (14), 1 down; 2, F. McKenna (14), 2 down; *Class III*, 1, M. Maloney (16), 3 down; 2, J. J. Dawson (17), 5 down; *Morning Foursome*, P. Fahy and P. J. Hicks, 2 up. *WEDNESDAY: Captain's Prize*, J. Staunton (11), 72; *Second Strokes*, J. Britton (16), 73; *Third Strokes*, N. Kenirons (20), 74; *Fourth Strokes*, A. Gleeson (6), 74; *First Bogey*, M. Prendergast (4), 1 up; *Second Bogey*, A. Cullinane (16), all square; *Third Bogey*, J. J. McCarthy (4), all square; *Fourth Bogey*, J. Hanley (5), 1 down; *Class I*, T. J. Lynch; *Class II*, P. P. Gray; *Class III*, K. Banks; *Morning Foursomes*, 1, J. Staunton and A. Hensey, 33½; 2, M. L. Cashman and D. Mulvey, 36.

HULL CHEMISTS' ASSOCIATION, and **BRANCH**, Hornsea golf club, on June 18. *Lofthouse cup*, 1, E. B. Walker; 2, J. Riseam.

TOPICAL REFLECTIONS

By Xrayser

Packaging.—Much thought is given in modern industry to the question of packaging. The neat plastic containers for toothbrushes and nailbrushes are particularly well-suited to their purpose, though one occasionally meets a form of "closure" which is aptly named, for it almost defies entry. In the well-chosen words of J. B. Boothroyd, some products are air-proof and customer-proof. Almost in that category are some of the new pharmaceuticals with a sealed metal screw-cap requiring wrists of steel to open. Prudent people attempt to open such packages only after the strictest precautions have been taken, to wit, the placing within easy reach of cotton wool, bandages and surgical catgut. I avoided a nasty accident recently by the greatest good fortune, for the sealing of the cap proved to be stronger than the bottle. It seems not too much to ask that the cap should be air-proof and that that purpose should be achieved without rendering the opening ceremony one of considerable personal hazard. At the moment, more thought seems to have gone into the "finishing" of the article when it leaves the hands of the manufacturer than into the question of what happens afterwards.

A Lovesome Thing.—Those who struggle daily to meet the varied demands for new products are glad to reach the peaceful haven of home at the end of the day, when nothing does more to bring tranquillity than a quiet walk round the

garden. There is little there to remind one of the efforts demanded by the up-to-date physicians. It was not always so. A hundred years ago a walk in the garden resembled a busman's holiday. An infusion of the fresh tops of the antirrhinum was recommended in the jaundice Campanula, on the other hand, was known as throat-wort, and an infusion, sharpened with a few drops of vitriol and sweetened with honey, made a useful gargle. The clove-pink was strongly advocated as a cordial and anti-poison, and was useful in all disorders of the heart and nervous complaints of whatever kind. Saxifrage was an excellent sweetener of the blood and juices and could be made into a conserve with sugar. Ivy berries helped rheumatism and pains of all kinds. The sweet honeysuckle decoction, was good against obstruction of the liver and spleen; the pansy in epilepsy, asthma and ulcers; rosemary in headaches and trembling of the limbs; the cuckoo-pint in palsies. The taste of the last-named was sharp and acrid and, accordingly, it is not surprising to learn that it sometimes restored speech at once, if only a cry of protest. Daisies, in the words of Gerard "helpeth the megrim". But an important truth was realised by the old herbalists "The nicety in physic is to know the nature of each disease, attend the constitution, and not to do too much or too little." Most of the treatments have been abandoned; we hope the nicety remains.

COMPANY NEWS

Previous year's figures in parentheses

SANITAS CO., LTD.—Group net profit is £169,352, (against £143,277), after tax of £131,783 (£136,314).

SANITAS TRUST LTD.—Dividend is 25 per cent. for the year to March 31, (against 20 per cent.). Group profit is £432,164, (£435,859) and after tax of £211,874 (£238,050), the net profit is up from £197,809 to £220,290.

R. B. PULLIN, LTD.—A second interim Ordinary dividend of 5 per cent. is being paid. The previous dividend was a special interim of 5 per cent. and was paid with last year's final. In each of the past four years an interim of 5 per cent. has been followed by a final of 15 per cent.

SANGERS, LTD.—Preparation of the accounts for the year ended February 28 has been delayed owing to recent mechanisation of purchase ledgers and invoice department. Therefore a second interim dividend of 5 per cent. payable August 1 on doubled capital is declared and a final will be recommended in due course.

COOPER, MCDUGALL & ROBERTSON, LTD.—Messrs. G. F. Taylor and T. A. Robertson have resigned from the board. Messrs. A. A. Gray, J. D. Robinson and Dr. Fred Wrigley have been appointed directors, with Dr. D. W. Adamson an alternate director. The four new directors, are also directors of The Wellcome Foundation, Ltd. The period for acceptance of the unconditional offer by the Wellcome Foundation, Ltd., (C. & D., May 30, p. 576), to purchase all the ordinary shares of the company has been extended to July 16. Acceptance have been received in respect of over 92 per cent. of the ordinary shares.

BRITISH GLUES AND CHEMICALS, LTD.—With a final payment of 17½ per cent. (against 15 per cent.) the company are raising the total Ordinary dividend to 22½ per cent. from 20 per cent. Group net profits were £365,407 (against £351,094), after tax of £266,000 (£351,094), after tax of £266,000 (£392,000). Profits dealt with in the accounts of the parent amounted to £310,201 (£324,067).

VITAMINS, LTD.—The chairman (Mr. H. C. H. Graves), has been approached by United Molasses, Ltd., with a proposal to merge the two companies. The suggested terms are six Molasses Ordinary 10s. stock units for every seven Vitamins Ordinary 5s. stock units. That places a value of about 31s. on the Vitamins shares—or about £3,500,000 for the whole capital.

LAPORTE INDUSTRIES LTD.—Despite the less favourable conditions which were encountered in selling their chemical products at home and abroad, group turnover was only 2.07 per cent. lower in value than in the previous year. notwithstanding price reductions over a wide range, states Mr. L. P. O'Brien (chairman) in his address with the accounts for year ended March 31st. Laporte Chemicals Ltd., maintained their sales turnover, but with reduced profit margins. Installa on of a plant for the manufacture of sodium chlorite has commenced and is expected to be completed within the current financial year. After increased provision for depreciation group profit is £1,813,378, (£2,098,945). For accounts see C. & D. June 13, p. 630).

BOOTS PURE DRUG CO., LTD.—

Sales rose by £3.2 millions or 4 per cent., to a record £82 millions for the year ended March 31. The increase in retail shops sales was actually 5.8 per cent., but that was partially offset by a recession in the wholesale and international divisions. Sales in the first half did not show the increase the board would have hoped for, so that there was a rise in the expense ratio, but considerable improvement took place in the second half, say Mr. J. P. Savage (chairman).

The true increase in the retail volume of trade was considerably greater than 5.8 per cent., Mr. Savage points out, as purchase tax changes in the 1958 Budget reduced gross takings by more than 3 per cent., a proportion which had to be made good before any increase began to be shown. Commenting on purchase tax, Mr. Savage says the further reduction in this year's Budget has meant that the company has again had to take a substantial loss on tax-paid retail stocks, which will be reflected in the current year's profits. Since 1953, he says, tax reductions have involved the company in losses totalling £750,000.

Mr. Savage sees no reason why the considerable improvement in sales and profits experienced since the first half of 1958-59 should not continue, which causes him to view the present year "with some optimism." A scheme which sets aside 8½ per cent. of the pre-tax profits for distribution to the staff is now made permanent.

IMPERIAL CHEMICAL INDUSTRIES, LTD., London, S.W.1., have entered into an agreement with the Aluminum Company of America (ALCOA) to collaborate in the manufacture of wrought aluminium products.

The two companies propose, Treasury consent having been obtained, to establish a new company to be registered as Imperial Aluminium Co., Ltd., to which I.C.I.'s aluminium plants at Waunlwyd will be transferred, and which will manufacture the wrought aluminium products now being sold by I.C.I. plus any others it is subsequently decided to produce. Initially at least those products will be sold through the existing I.C.I. selling offices. I.C.I. will hold 51 per cent. and ALCOA 49 per cent. of the capital of the new company, and I.C.I. will appoint three of the five directors, including the chairman and managing director.

IMPERIAL CHEMICAL INDUSTRIES LTD.—Sir Alexander Fleck, K.B.E., F.R.S., who reaches the age of seventy in November, has his intention of relinquishing the chairmanship of the board, and of resigning from it, on February 29th, 1969.

The board has unanimously agreed to elect Mr. Stanley Paul Chambers, C.B., C. I. E., as chairman to succeed Sir Alexander as from March 1st, 1960. Mr. Chambers has been with the Company



since 1947, when he was appointed to the board. He was elected a deputy chairman in 1952.

SANDOZ, LTD., Basle, Switzerland.—Worlds turnover in 1958 of the company's goods passed the Sfrs. 500 millions mark for the first time. In the chemical department, 1958 was a milestone for, although the chemical business was subject to marked price pressure, sales exceeded Sfrs. 100 millions for the first time. An increase of 11.2 per cent. over the previous year.

The review presented by 1 board mentions that mechanisation of the manufacturing departments, particularly for the galenical preparation of pharmaceutical specialities has enabled the company to increase output with the same number of workers and to reach such a degree of flexibility that it can take sudden changes of orders in its stride. Research is concentrated on the isolation of drugs from natural substances. In 1958 sales of pharmaceuticals amounted to Sfrs. 213 millions, a 4.7 per cent. increase over 1957.

B. NEWTON CAINE LTD., have removed to Silsoe, Beds. (telephone: Silsoe 269).

DOW CHEMICAL INTERNATIONAL, LTD., S. A., have opened a sales office in Johannesburg.

R. W. GREEFF & CO., LTD., London, E.C.2, have opened a branch office at 147 Bash Street, Glasgow C.2 (telephone: Central 2564). It is under the management of Mr. A. Mawer who, trading as Robert A. Bird & Co., has been an Agent for the company in Scotland for many years.

SMITH KLINE & FRENCH LABORATORIES, Philadelphia, U.S.A. have acquired for cash a minority interest in Recherche et Industrie Therapeutiques, S.A., Genval, Belgium. R.I.T., which produces mainly antibiotics and vaccines is taking over the distribution of S.K.F. products in the Benelux countries.

New Companies

P.C. = Private Company; R.O. = Registered Office

J. F. CHEMICALS, LTD. (P.C.).—Capital £100. To manufacture and deal in pharmaceutical, toilet and other preparations, etc. Subscribers (each with one share) are: Allan D. M. Phillips and Frederic T. Horne, solicitors, 2 Bedford Row, London, W.C.1. The first directors are to be appointed by the subscribers.

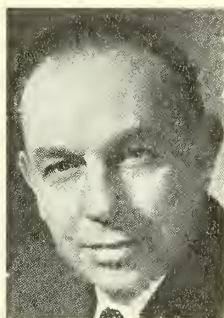
BIOKOSMA (ENGLAND), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers and merchants of perfumery, cosmetics, etc. Directors: Max Steidle, Kurt Strebel and Henry Lake. Solicitors: Underwood & Co., 9 Cavendish Square, London, W.1.

WOODFIELD MEDICAL SUPPLIES, LTD. (P.C.).—Capital £100. To carry on the business of dealers in medical supplies of all kinds, including drugs, medicines, etc. Subscribers: David G. Hazard and Harold A. Roux. R.O.: 5 St. Michaels Terrace, Wood Green, London, N.22.

PERSONALITIES

MR. R. J. RANDOLPH, (sales director, Wilkinson Sword, Ltd.) flew to the United States on June 16 to examine the market potential for the company's razor blades.

MR. STANLEY P. CHAMBERS, who is to succeed Sir Alexander Fleck as chairman of Imperial Chemical Industries, Ltd., in September, was made a deputy chairman of the company in 1952, having



joined the board in July 1947. He took a Master's Degree in economics at the London School of Economics, of which he is now a governor. His career started in the Inland Revenue Department in 1927, and after service in India he returned to Britain in March 1940, and was appointed director of statistics and intelligence and assistant secretary to the Board of Inland Revenue. In 1942 he became secretary to, and a member of, the Board of Inland Revenue; for his Inland Revenue work he was created a Companion of the Bath in 1942. He has been a member of several Government committees. Mr. Chambers is also a director of the National Provincial Bank, Ltd., Royal Insurance Co., Ltd., Liverpool, London and Globe Insurance Co., Ltd., African Explosives & Chemical Industries, and several other companies, and is a part-time member of the National Coal Board.

DEATHS

JAMIESON.—Suddenly on June 9 Mr. Edgar C. D. Jamieson, 15 Waterhall Avenue, Chingford, E.4. Mr. Jamieson who was 57 was the managing director of Jamieson Chemists (Edmonton), Ltd., 54 Bounces Road, Lower Edmonton, London, N.9.

SMITH.—On June 16, Mr. William Henry Smith, 12, The Mead, Cirencester. Mr. Smith, who qualified in 1896, took over the Cirencester pharmacy of his uncle, the late Mr. Charles Smith after some experience in London. He retired some years ago after disposing of his business to Boots, Ltd.

IN PARLIAMENT

National Health Service
SIR K. JOSEPH asked the Minister of Health the estimated total of the cost of the National Health Service, showing separately how much of that cost would be met by the weekly National Health Service contributions, the Exchequer, charges to National Health Service patients, staff pension contributions, and local health authorities, respectively. MR.

DEREK WALKER-SMITH (Minister of Health) in a written reply stated on June 26 that the cost of the local health authority services had been absorbed within the general grant and was, therefore, not separately identifiable. Excluding the cost of those services, the estimates for England and Wales were:— Total estimated expenditure, £640 millions; borne by Exchequer, £475 millions; met by N.H.S. contributions, £101 millions; met by patients' charges, £30 millions; met by superannuation contributions and transfer values, £33 millions.

TRADE REPORT

LONDON, JUNE 30: The price of CAR-MINE was 5s. per lb. lower at 70s. per lb. for 1-cwt. lots. Among AROMATIC SEEDS, Bulgarian and Turkish ANISE rose 5s. per cwt. to 125s. and 135s. respectively—both duty paid, while Dutch CARAWAY was 10s. dearer at 110s. per cwt. Kobe AGAR advanced a further nine-pence per lb. to 12s. for in-bond material but there is now Danish material on offer at 9s., duty paid. CINNAMON quills were cheaper for shipment while GUM ACACIA was 2s. 6d. per cwt. higher at 187s. 6d., on the spot. Quotations for OLIVE OIL have risen recently in North Africa no doubt as a result of the short crops in Spain and elsewhere; Italy is also quoting higher rates now. TURMERIC at 79s. per cwt., c.i.f., was down 2s. Lower prices for PIPERAZINE salts have been announced by at least one manufacturer the HEXAHYDRATE being now 17s. 6d. per kilo in 1,000-kilo lots.

TRADE MARKS

APPLICATIONS ADVERTISED
BEFORE REGISTRATION

From the "Trade Marks Journal" June 24

For insecticides, fungicides, and preparations

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent.; † = Tax 50 per cent.

BROOK, PARKER & CO., LTD.

	Doz.	I.R.P.
Artic Glow*	15 6	2 3 A
	24 0	3 6 A

COLGATE PALMOLIVE, LTD. (from June, 19)

Trojan soap pads medium		1 3 A
large		2 3 A

CROOKES LABORATORIES, LTD. (corrected note)

Ferrosol capsules*	30	Each	5 0	8 9 R
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MEDO CHEMICALS, LTD. (purchase-tax imposition, from June 15)

Potensan tablets*	25		4 8 A
	100		15 9 A
	250		35 0 A

PFIZER LTD. (from June 29)

		Each
Tetracycl topical ointment	½ oz.	4 6
	1 oz.	8 2
	200gm.	53 0
		79 6 R

Cortril snuff capsules 15 mgm.	5	6 6	9 9 R
	25	24 0	36 0 R

SMITH KLINE & FRENCH LABORATORIES, LTD. (from September 1)

Benzedrex inhaler	Doz.	24 0	3 0 A
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WRIGHT, LAYMAN & UMNEY, LTD.

	Doz.
Liquor carbonis	3 oz. 18 4
detergents*	8 oz. 35 6
	16 oz. 58 9
	2 5 R
	4 8 ½ R
	7 9 R

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

for killing weeds and destroying vermin, all containing griseofulvin (5)

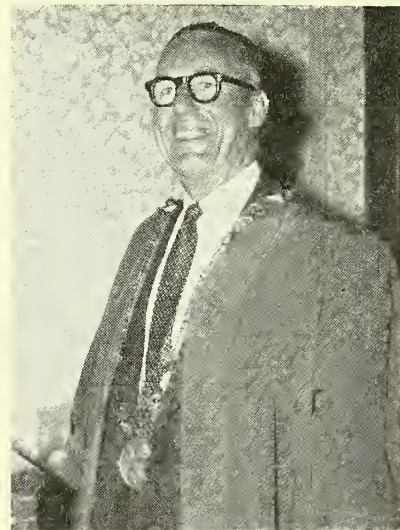
MURFULVIN, 786,427, by Murphy Chemical Co., Ltd., Wheathampstead, nr. St. Albans, Herts.

For chemical preparations for exterminating bracken (5)

BRACKCONTROL, 786,480, by Amchem Products, Inc., Ambler, Pennsylvania, U.S.A.

For pharmaceutical preparations (none containing cortisone or cortisone derivatives) for the treatment of asthma and the like ailments (5)

ASMAC, 787,150, by Dr. A. Wander, S.A., Berne, Switzerland.



LORD MAYOR OF DUBLIN Councillor P. A. Brady, T.D., M.P.S.I., wearing his chain of office as Lord Mayor of Dublin—the first pharmacist to hold that position

VICK INTERNATIONAL, LTD. (from June 22)

Milton antiseptic	80 oz.	12 0	18 0
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ADDITIONS TO THE LIST

SANDERSONS (CHEMISTS), LTD.

Sancerts tablets*	Doz.	6 0	10 ½
Nicodent denture cleaner*	13 4	2 0	

DELETIONS FROM THE LIST

SCRAM PRODUCTS, LTD. Scram. Puffem.

NEW PRODUCTS AND PACKS

BAYER PRODUCTS, LTD.

Panadol elixir	Each	4 10	7 4
----------------	------	------	-----

CHANEL, LTD.

Chanel No. 5 perfume† purse flacon		39 6
------------------------------------	--	------

ELIZABETH ARDEN, LTD.

Ardena freshener†		8 3
-------------------	--	-----

KIMBERLY-CLARK, LTD.

New Kotex sanitary towel 5		1 0
12		2 3

Proprietary Chemicals, Ltd.

Airgay Freshettes	12	1 0
-------------------	----	-----

A. H. ROBINS CO., LTD.

Robaxin tablets*	Each	
dispensing pack	500	150 0

SMITH KLINE & FRENCH LABORATORIES LTD.

	Doz.
Tyrimide tablets*	
5 mgm.	30
	92 6
	250
	Each
	57 10

STARNAPS, LTD.

Starnaps napkins	10	2 ½
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TRADE NOTES

Exempted from Tax.—Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, announce that their preparations Proctosedyl ointment and Proctosedyl Suppositories become exempt from purchase tax on July 13.

At Design Centre.—The Ronson electric shaver with "Super Trim" (Ronson Products, Ltd., Leatherhead, Surrey), has been selected by the Council of Industrial Design for display in the Design Centre, Haymarket, London, S.W.1.

Perfumed Disinfectant.—For perfuming and disinfecting linens, clothing and fabrics Proprietary Chemicals, Ltd., 51 Fairclough Lane, Liverpool, 7, offer their Airgay Freshettes, which are cut-out impregnated cards punched to hang if desired. The pack is a tinted transparent containing twelve.

Rising U.S. Chemical Sales.—Increasing sales and rising profits have continued to mark the course of the American chemical industry as the first-half of 1959 draws near its close. There seemed little reason to doubt that the strong upward trend would persist into the second half, but it was pointed out at the annual meeting of the Manufacturing Chemists' Association that profit gains have not been so great as the sales rise because of the concurrent upswing in all costs to producers.

Baby Suds.—Johnson's baby suds, newly launched by Johnson & Johnson (Great Britain), Slough, Bucks, has been formulated specially for washing baby cloths and nappies. The problem was to make a product tough enough to get stained sheets and nappies thoroughly clean, soft enough to ensure that woollens remain soft and fleecy, and safe for the daintiest "coloureds." The formula includes lanolin to make the product mild to the skin, fabrics softer and woollens, fleecier; an ingredient claimed to give "extra pure rinsing action" a small proportion of a new germicide to reduce risk of infection and unpleasant odour; and the flowery perfume characteristic of all Johnson & Johnson baby products.

U.S. Laboratories for British Company.—To "explore new concepts in cosmetic chemistry and their practical application to product development," Yardley & Co., Ltd., London, W.1, are setting up international research laboratories at Union City, New Jersey, U.S.A. America has been selected as headquarters because of the contributions of the United States to cosmetic technology, which have helped to make that country the biggest single market for toilet goods in the world. In charge as director of research will be Mr. Sabbat Strianse (a past-president, American Society of Cosmetic Chemists and president, international Federation of Societies of Cosmetic Chemists).



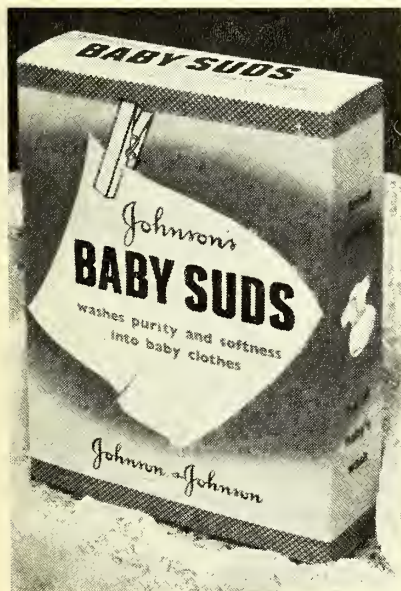
FOR DISPLAY AND SALES: Wire frame display stand for the new baby teats (see C. & D., June 6, p. 601) of Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks.

PHARMACY IN NEW ZEALAND

"LET us face the facts; retail pharmacy in New Zealand at the present time is a business, not a profession, and the pharmacist is by training a technician, not a pharmacologist. And that simply won't do," said Dr. A. W. S. Thompson (director, division of clinical services, Department of Health) at the annual conference of the Chemists' Service Guild at Palmerston North, New Zealand, recently. Dr. Thompson was presenting a paper on "The Relationship between Doctor and Chemist in the Health Service of New Zealand." He did not believe that the ordinary doctor had the basic knowledge necessary for a real understanding of the relationships, from a technical viewpoint, of the different members of many groups of drugs. The doctor should, he said, be able to get specialist advice in that field from his friend and colleague the retail pharmacist. He believed most doctors conceded that a chemist performed a useful function in keeping a lookout for

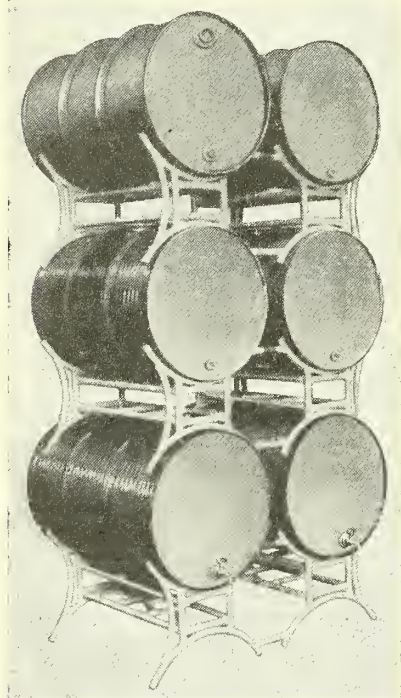
such things as errors in dosage or incompatibilities between ingredients, but by and large they tended to think of those matters as things of the past, or perhaps as safeguards for other prescribers—not for themselves. A few were violently resentful if a chemist dared make any suggestion about a prescription; those were "not the most intelligent members of the profession". A good many doctors on the other hand valued the active co-operation of the chemist, and "I know some who make a habit of spending half an hour a week with the local chemist, picking his brains. This is commoner in smaller towns and in the suburbs than it is in city practices; and, of course, some chemists are more knowledgeable and approachable than others." Reviewing education in pharmacy Dr. Thompson said "The plain truth, however unpalatable, is simply this: The education of the New Zealand pharmacist has been so inadequate, for so long, that with a few notable exceptions he has simply not been in a position to talk to the doctor on equal terms—as one highly qualified professional man to another." It was his earnest desire to see medicine and pharmacy in New Zealand co-operating on equal terms. Dr. Thompson believed that the manufacturing industry, "which today is Big Business", would exert more and more influence on the relationship between doctor and chemist. At present American drug firms alone announced about 400 new products every year. Only about 10 per cent. of them were new single substances. Upwards of 20 per cent. were new dosage forms of single products, while about 70 per cent. were compounded products. In 1956 there were 215 firms advertising pharmaceutical products in the United States. No fewer than 126 of them had brought out new products in that year. Under competition, advertising had reached a stage at which it imposed an intolerable burden on the consumer. The split-up of the advertising budget of American firms was interesting. They spent 54 per cent. on "detail men" (representatives), 13 per cent. on direct mail, 12 per cent. on journal advertisements, and 21 per cent. on drug-trade journals, house organs, samples, cocktail parties and so forth. "Detail men" cost their company £8 a visit in the United States, over £2 a visit in Australia, and about the same in New Zealand. In the United States, twenty-six pieces of advertising went out through the post on every mailing day to every doctor in the country, each doctor receiving about 4,000 items a year. "A good deal of this direct mail propaganda must amount to what is called subliminal advertising." To avoid the multiplicity of different brands of closely similar or identical products, Dr. Thompson advocated the use of "open" names, and an international agreement whereby the company that held the patent rights in a drug should retain its sole interest in the proprietary name only for so long as it held the monopoly for the drug itself.

SALES of chemists' goods in April compared with April 1958 were: Independent retailers, + 7 per cent.; multiple retailers, + 4 per cent.; Co-operative societies, + 11 per cent. The figures do not allow for receipts under the National Health Service.



FIXTURES AND EQUIPMENT

Drum Stacking.— Easily carried and made of tubular steel, the Powell drum storage unit manufactured by Powell



& Co., Burry Port, Carmarthens, South Wales, has been designed for stacking 40/50-gall. steel drums with fork-lift trucks. Two drums rest on each unit, and full drums may be stacked in pairs up to five tiers high. There is no danger from drums slipping as in pyramid stacking.

Portable Alarm Safe.— A portable safe that "does everything but shout 'stop thief!'" if an unauthorised person so much as moves it an inch" is



offered by Alarm Safe Co., Ltd., 30 Great Sutton Street, London, E.C.1. The safe, the Port-A-Bell, is controlled internally, and its alarm can only be stopped by someone who knows the combination and has the key. The Port-A-Bell has a combination dial locking system (different in every safe) linked to a vibrant alarm which rings

when the safe is opened or even moved. Its all-steel construction is backed by an overlocking key system, and its two-way alarm bell is non-electric, needing no batteries. As a small safe for cash, deeds or private papers in office, shop or home, the Port-A-Bell (size only 24½ x 9½ x 6 in.) is invaluable for people who must carry their securities with them.

Chest Lamps for Dangerous Atmospheres.—A new harness has been produced by Nife Batteries, Redditch, Worcs, which enables the company's hydrogen and pentane safe cap lamps to be used also as chest lamps. The lamps are approved by the Inspector of Factories for use in dangerous atmospheres containing hydrogen and pentane fumes, and are particularly suitable for use in refineries, chemical works, etc. The harness is intended for use in any part of the world, and has already proved its worth in tropical countries, where operators rarely wear headgear or clothing to which the lamp can be attached.

Pallet Truck.—The BT pallet truck, manufactured in Sweden and already well known abroad, is now available in Britain through the sole distributors:

MACHINERY AND PLANT

Miscellaneous

Stainless-steel Mixer.— The Manesty H stainless steel mixer has been designed to bring about an intimate mixing of powders or moist masses. It is especially suitable for tablet granulation. The makers are Manesty Machines, Ltd., Speke, Liverpool, 24.

Filling Machine.—Designed to fill into containers a wide range of powders, granules and pastes, the Jackson-Crockatt general filling machine is quickly dismantled for cleaning without the use of spanners. It fills at speeds varying from fifteen to forty-five fillings a minute and the fittings, which are quickly changed, give a range of quantities from ¼ oz. to 3 lb. Adjustment for quantity may be effected while the machine is running. The manufacturers are J. G. Jackson & Crockatt, Ltd., Nitshill Road, Thornliebank, Glasgow.

Magnetic Counting Devices.— Developed by the Gate Electronics, Ltd., Tudor Grove, London, E.9, to count the number of cans passing along a conveyor belt, a magnetic counter available from the company can be modified for counting metallic (preferably ferro-magnetic) objects of any size, or even for length measurements on any continuous metallic product that displays regular variations in its profile. Non-metallic products may also be counted and measured with the counter by substituting for the magnetic perception head one of Gate Electronics range of photo-electric perception heads.

"A Unique Powder-filling Machine."—The two models of the Perry Accofil "lab" gun—"a unique powder-filling machine operated by patented vacuum-pressure principle"—are being marketed in Britain by Flexile Metal Co., Ltd., Bessemer Drive, Stevenage, Herts. Manufactured by Perry Industries, Inc., New York, U.S.A., the machines are

Rolatruc, Ltd., 20 Old Compton Street, London, W.1. The hand-operated hydraulic lift truck combines unusual



strength with light weight. It is available in two models (capacities 2,400 and 4,400 lb.). The forks (one-piece stampings of exceptional rigidity) are available in various lengths. Their height from ground level in the lowered position is 3½ in. A few strokes of the steering handle raises them to 8 in. Lowering speed is accurately controllable. A unique feature is the leakproof hydraulic unit; even if the truck should become turned over completely, the hydraulic oil cannot escape.

particularly designed for pharmaceutical powders that have to be discharged into containers (e.g. ampoules, sachets, bottles) in measured amounts. The range of measurable quantities that can be handled by either model is from gr. 3 to 5 lb. The "lab" gun picks up by vacuum an exactly pre-determined amount of powder and forms a "slug." A foot pedal is then depressed which operates a micro switch to change over from vacuum to pressure and the "slug" is ejected into the container. Between ten and twelve containers per minute can be filled by that method. The two models are a console (for the production line) and a laboratory bench type. In the console vacuum and compression units are spring suspended. Messrs. Flexile Metal state that the powder-filling machines are "only a prelude to the future introduction of the complete range of Perry equipment which include the Perry liquid filling, Perry Accofil semi-automatic powder-stoppering and capping machine, the filling machine (specially designed for aerosol filling), the Perry LFS machine for high speed liquid filling and stoppering, the Peristopper for automatic vial-stoppering, the Perry unscrambler and the Perry Accumulator."

WILLS

MR. R. E. TWELVES, M.P.S., 14 Mansfield Crescent, Newbold, Chesterfield, Derbys, left £25,339 (£21,310 net).

MR. C. B. HOMER, M.P.S., 22 Clumber Street, Kirkby in Ashfield, Notts, left £4,468 (£3,639 net).

MR. T. B. REES, M.P.S., St. Julian, Pontardulais, Glam, left £8,238 (£7,912 net).

MR. D. FLETCHER, M.P.S., Red Roofs, Coastal Road, Bolton-le-Sands, Lancs, left £17,818 (£15,752 net).

MR. R. G. MURRISON, M.P.S., 28 Eastwood Road, Rayleigh, Essex, left £3,770 (£3,657 net).

MR. W. MARTIN, M.P.S., Arfryn, Wrekin Road, Wellington, Salop, left £19,889.



The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Seventeen Diplomas?

IN 1958 the Pharmaceutical Society proudly announced details of its new course for the Pharmaceutical Chemist diploma. We were given to understand that here was the ultimate in pharmaceutical education, providing a diploma which would produce an all-round pharmacist capable of holding his own in any company. After much internal debate, here was stability such as had not been known for many years. Now, in the short space of twelve months, the scene has changed, and we are faced with an upheaval that threatens the whole structure of pharmacy. Members of the Society should study carefully the proceedings of the June meeting of the Council of the Pharmaceutical Society (p. 660). Under the heading "Internal Examinations" is published material that must give rise to serious misgiving. It will be recalled that, in this technological age, the Government has encouraged the newer sciences by instituting diplomas in technology. Pharmacy was not specifically mentioned in that connection, and it does not appear that the issue was an urgent one at the time the Council reported on its new diploma a year ago. Since then, apparently, at the behest of the colleges themselves—or some of them—the Council has been forced to take a look at the question. The Council report says: "The colleges interested in the present question had in mind diplomas that would satisfy the Society's registration requirements." What would seem to be envisaged is nothing short of a complete abrogation of the present legal position governing admission to the register.

That might appear, on the face of it, to be reading too much into the evidence available. But Mr. Maplethorpe is reported as having said that the suggestion raised important problems, including that of the legal position. That would certainly suggest that Mr. Maplethorpe is aware of the departure inherent in a diploma in technology that qualifies its holder for registration by the Pharmaceutical Society. In fact, the chairman of the Education Committee of the Council would seem in principle to approve the change, for, after having mentioned the legal position, he said that a first step might be to make all schools of pharmacy examination centres for the Society's diploma—a step that would, he went on, have the advantage of enabling students to work in the surroundings that were familiar to them. It is difficult to follow Mr. Maplethorpe's reasoning. A first step to what? Does he mean that the first step to recognition of the diploma in technology, as a qualification entitling registration of the holder, is the establishment of the principle of recognition of internal examinations for the Society's own diploma? Is Mr. Maplethorpe prepared to go to such lengths to accommodate those colleges which for reasons best known to themselves, seek automatic registration for the holders of a diploma in technology? Is it, then, a first step towards the redundancy of the Society's own diploma, which was proudly flourished before us only last year? Is it, in fact,

a first step toward the Society's ceasing altogether to examine?

Mr. Maplethorpe should not leave members' curiosity unsatisfied. His "first step" indicates that he has further steps in mind. What are they? There was no hint of the matter at the annual general meeting, and it is a long time to next May. Are we then to be presented with a *fait accompli*? The branches, through their committees, should demand information. Such a radical departure from all that we have inherited must not be left to the discussions of an *ad hoc* committee. Recognition of a diploma entitling its holder to registration presupposes that its scope must be so near to our own that there is no need for two or more similar diplomas, and the remarks of the chairman must arouse speculation as to which will survive. That the Council should even contemplate steps to sell the birthright of the Society's membership in the same month as it commemorates the centenary of Jacob Bell is a matter for wonder.

Overseas Trade in May

United Kingdom exports of drugs, medicines, and medicinal preparations in May were, at £3.62 millions, at their highest monthly level since the record January figure

EXPORTS		VALUE
		£
Drugs, medicines, medicinal preparations (total)	..	3,619,662
Vitamins	279,919
Penicillin salts	100,861
Penicillin injections	53,773
Penicillin tablets, ointments, etc.	86,233
Antibiotics other than penicillin	483,747
Quinine	9,319
Alkaloids, excluding quinine	138,404
Aspirin	74,998
Antihistamines	53,761
Antipaludics	104,640
Barbiturates	47,476
Liver extracts	29,009
Ointments and liniments	123,107
Insulin	33,453
Sulphonamides	66,097
Proprietary medicines	1,059,163
Other medicines, unclassified	842,451
Glycerin	49,461
Acetone	44,187
Citric acid	49,737
Salicylates	12,438
Perfumery and toilet preparations		
Lipstick, face powder, etc.	277,071
Dentifrices	216,667
Toilet soaps	215,960
Synthetic detergents	636,003

IMPORTS		VALUE
		£
Vitamins	35,128
Antibiotics	48,600
Alkaloids	40,239
Proprietary medicines	38,354
Unclassified medicines	167,559
Borax	107,889
Iodine	46,858
Menthol	48,587
Essential oils		
Bergamot	25,795
Citronella	5,775
Clove	11,438
Geranium	37,071
Lavender	25,644
Lemon	49,513
Orange	39,983
Peppermint	86,346
Unclassified	140,693

(£3.66 millions). Australia, with shipments valued at £482,066, was the best single market, Nigeria coming next with £231,933. Exports to South America and to Arabic countries were lower than in May 1958, while purchases by China dipped sharply during the year. In the accompanying tables are given the values of those items for which figures are declared by the Board of Trade. The value of prepared medicines imported by the U.K. in May was £329,880, against £251,448 in April. As to the country's trade as a whole, exports rose in May by £3½ millions to £299.2 millions. At that level they just surpassed the previous record month of May 1957 (for which the figure, adjusted to the current basis of the Trade Accounts, was £299.1 millions). Imports, however, which had also increased substantially in April, fell back in May by as much as £35 millions to £310.9 millions.—Re-exports, at £10.2 millions were £1 million down. The visible trade deficit was thus reduced from £39 millions to only £1½ million in May, the smallest recorded in the 200 years or so of the present Trade Accounts system.

PHARMACISTS' CO-OPERATION WITH NURSES

A survey in American hospitals

AN investigation, by questionnaire, into current relationships existing between pharmacy and the nursing services in some American hospitals was conducted recently by Mr. Benjamin Teplitsky (chief pharmacist, Veterans Administration Hospital, Albany, New York). It sought answers to thirteen questions and was sent to 131 hospitals, from 111 of which replies were received. Though every State in the Union is represented in the replies received, no claim is made that the results are statistically significant for the whole of the United States. Some of the results of the survey are given below:

Lectures by Pharmacists

Does the hospital pharmacist lecture to nurses? 12 per cent. of the replies indicated that the pharmacist lectures to nurses regularly. 54 per cent. said that the pharmacist lectures only occasionally, 34 per cent. never.

Does the pharmacist lecture on administrative procedures related to the pharmacy? Of the replies checked, 61 per cent. said "Yes" and 39 per cent. "No." Mr. Teplitsky's comment is that the non-professional aspects of the operation of hospital pharmacy (requisitioning procedures, drug charges, return of non-usable or accumulated drugs, pick-up and delivery procedures) are important and it behoves the hospital pharmacist to review with the regular nursing staff the rules and regulations pertaining to those administrative procedures.

Does the pharmacist lecture on new drugs and other professional subjects? 56 per cent. said "Yes" and 44 per cent. said "No." Comment: "For almost half of hospitals' pharmacists not to take advantage of their talent and qualifications to lecture to the professional staff appears almost criminal. The hospital pharmacist should not wait to give an occasional lecture when requested to do so by the nursing service, but should volunteer his services at regular intervals. Once his services are "tasted," the pharmacist will have no trouble arranging for regular lectures to nurses, nursing students,

interns or even residents. His up-to-date knowledge of drugs, dosages, contraindications, side-effects, and drug therapy makes him an expert in the field."

Does the hospital pharmacist check ward drug cabinets regularly? 57 per cent. said "Yes," 43 per cent. "No." Comment: "The proper care of ward drug cabinets directly reflects the supervision by the chief pharmacist of the hospital. A clean and orderly drug cabinet indicates good drug habits originating at the pharmacy and encompassing the nursing unit. In making these inspections, the pharmacist should always be accompanied by a supervisor nurse. The pharmacist is then able to point out irregularities of drug maintenance and, at the same time, have something complimentary to say to the supervisor when the drug cabinets are in proper order."

Are nurses taken through the hospital pharmacy shortly after they are employed by the hospital? 55 per cent. said "Yes," 45 per cent. "No."

Is a literature file of current drugs maintained by the nursing department? Comment: "The high percentage of 73 per cent. saying "Yes" was a pleasant surprise. The 27 per cent. who said "No" still represent a substantial group who, with some assistance from the pharmacy, may be able to start one."

Does the pharmacist provide literature for such files? 66 per cent. said that they do receive literature from the pharmacist.

On how many days is the pharmacy open?

The survey revealed the following information: 7 days, 49 per cent.; 6½ days, 5 per cent.; 6 days, 10 per cent.; 5½ days, 21 per cent.; 5 days, 15 per cent.

Dispensing by Nurses

Do nurses have occasion to dispense drugs from the pharmacy? Over half of the hospitals (52 per cent.) answered "Yes." Comment: "Nurses should never be charged with the pharmacists' duties of dispensing, manufacturing, bottling or labelling of medications,

ECHOES OF THE PAST

ARTHRIDIDIS CURATIO

From *The Marrow of Chirurgery*, by James Cooke, Warwick, 1647.

THE oyl or water of frogs are excellent, especially the latter; in the use of which, one in *Leicestershire* did not onely grow so famous as to commence *Doctor-frog*, but also got a good estate, the receipt whereof was communicated to me by a neare friend of his, which here take with the use. Take the spawn of Frogs in it's season, fill an earthen pot, therewith cover it well with a slate or tyle, and set it in the ground half a foot deeper than the pot is high, covering it with earth; let it stand for 2 or 3 weeks, in which time its turn'd to water, then strain it, and keep it in bottles; which use thus; heat upon a Chaffingdish of coals very hot, as much as is needfull, and with woollen stuffs bathe the pained part very well, and as hot as can be endured, after dip a Scarlet cloth or red in it about the griev'd part, & upon that a dry cloth, and so go to bed. If need be, dress it so again the next morning.

unless they are under the direct supervision of a pharmacist. Legally, the hospital pharmacist is generally responsible for all medications issued to patients from the hospital pharmacy, and it behoves him to see that no unauthorised persons become involved."

Is there a full-time pharmacist at the hospital? Though the larger hospitals of each State were selected, the survey indicated that 14 per cent. did not have a full-time pharmacist. That represented a total bed capacity of 22,511. Mental hospitals constituted the bulk of those without a pharmacist.

Is there a need for a full-time or part-time pharmacist? (to hospitals without a full-time pharmacist). Of fifteen hospitals not having a full-time pharmacist, two-thirds thought a part-time pharmacist would suffice and one-third said there was a need for a full-time pharmacist.

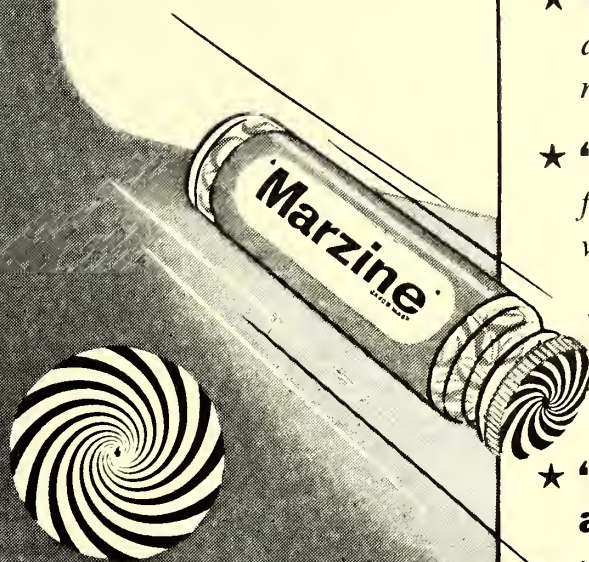
Are narcotics delivered to wards or picked up by nurses (or both picked up and delivered)? The hospitals reported as follows: Delivered to wards, 19 per cent.; picked up by nurses from pharmacy, 68 per cent.; both delivered on occasion and picked up, 13 per cent.

Delivered to Wards

Are routine drugs delivered by pharmacy personnel or picked up by nursing personnel? Of the hospitals reporting, 33 per cent. indicated that routine drugs were delivered by pharmacy personnel and 67 per cent. said that nursing personnel picked them up from the pharmacy. Comment: "Numerous hospitals indicated that drugs were delivered to nursing units by means of elevators, dumb waiters, messenger services, and conveyor systems. The author finds that the use of pharmacy personnel (non-professional) is most satisfactory. The pick-up of empty drug baskets and delivery of drugs is then completely in the hands of the pharmacy. The entire procedure may then be accomplished with a minimum of lost time.

Does a nurse regularly attend meetings of the hospital pharmacy drug committee? 17 per cent. of the hospitals said "Yes," 83 per cent. "No."

Why you should sell
'Marzine'
TRADE MARK
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travel sickness...



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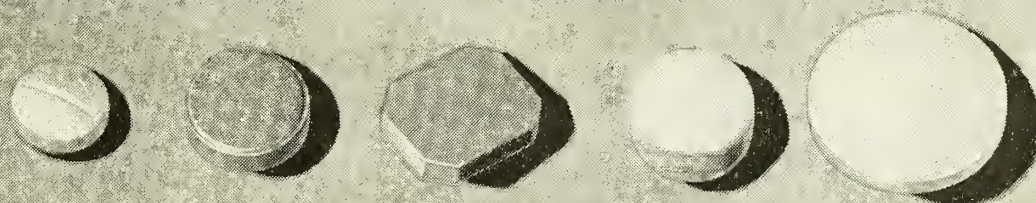
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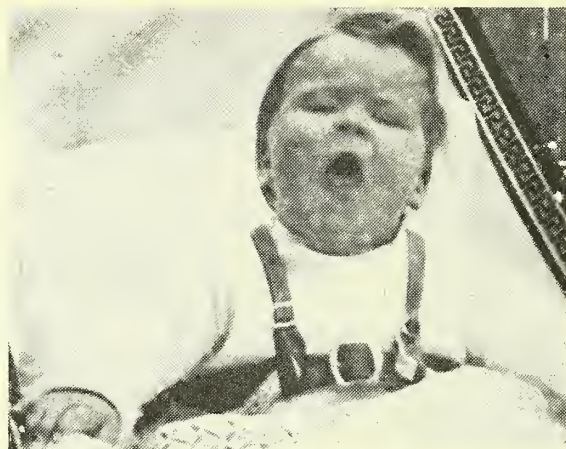
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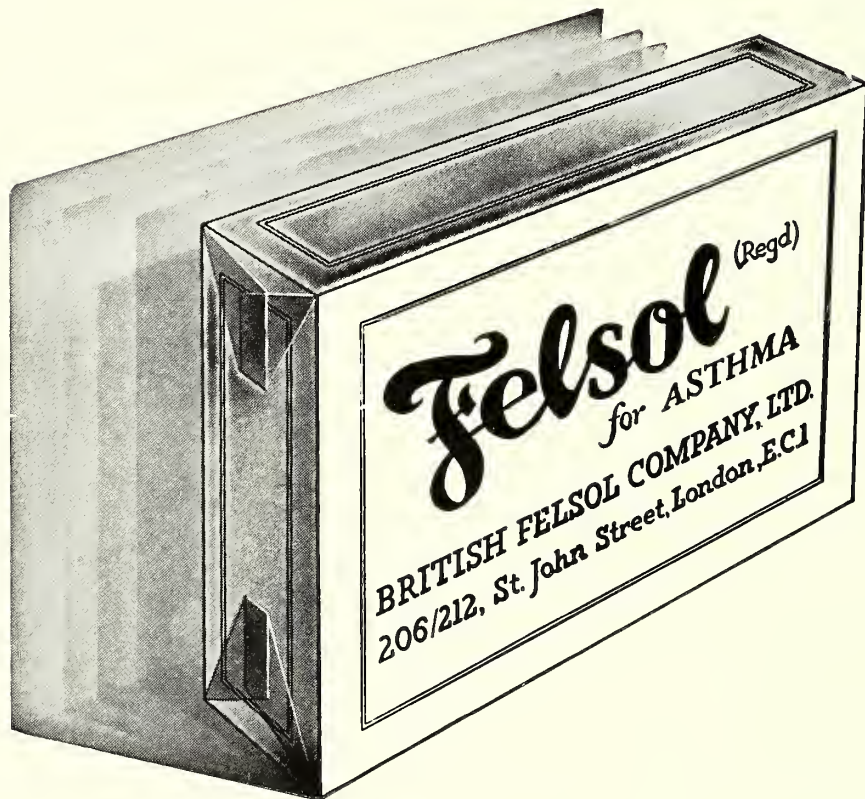
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